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USE OF BLAST FURNACE SLAG FOR EXTENSIVE PURIFICATION OF COKE OVEN GAS. [1961] 5p. 5 refs.
Order from OTS or SLA $1.10 61-16823

Condensed trans. of [Khimicheskaya Promyshlennost'] (USSR) 1941 [v. 18] no. 3, p. 6-11.

DESCRIPTORS: *Slags, *Coke, Purification, Blast furnaces, Waste gases.

Experiments are reported on substitution of blast furnace slag for sawdust as a filler in the adsorption mass consisting mainly of bog iron ore and used for removal of hydrogen sulfide and nitrogen oxides from coke oven gases. Slag by itself can remove as much nitrogen oxide as bog iron ore. Basic granulated slag in about 50% by volume was found to be superior to sawdust as a filler. Its use results in elimination of about 50% nitrogen
(Engineering--Chemical, TT, v. 6, no. 8) (over)

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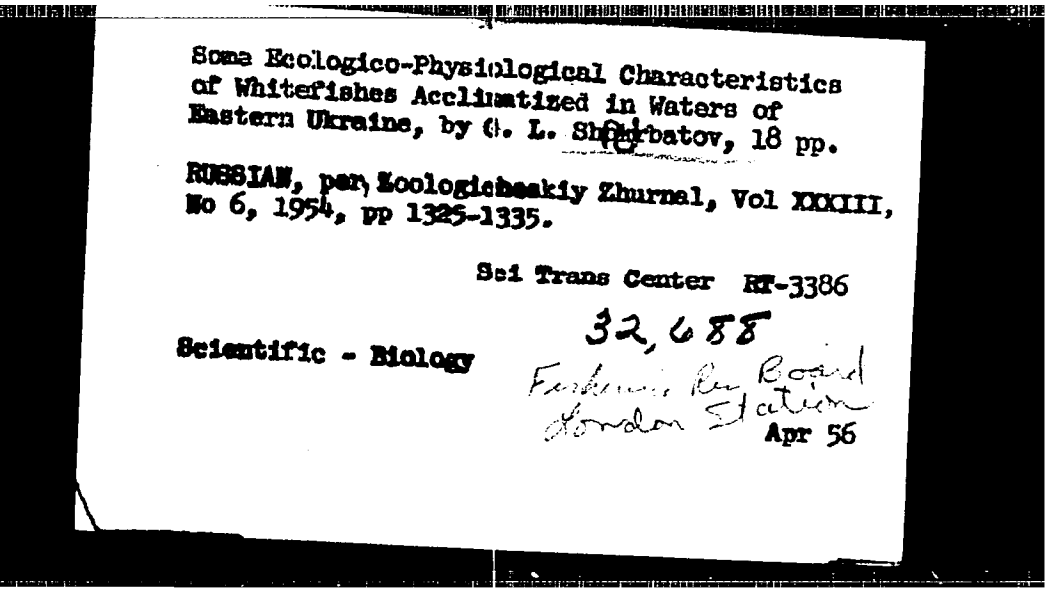

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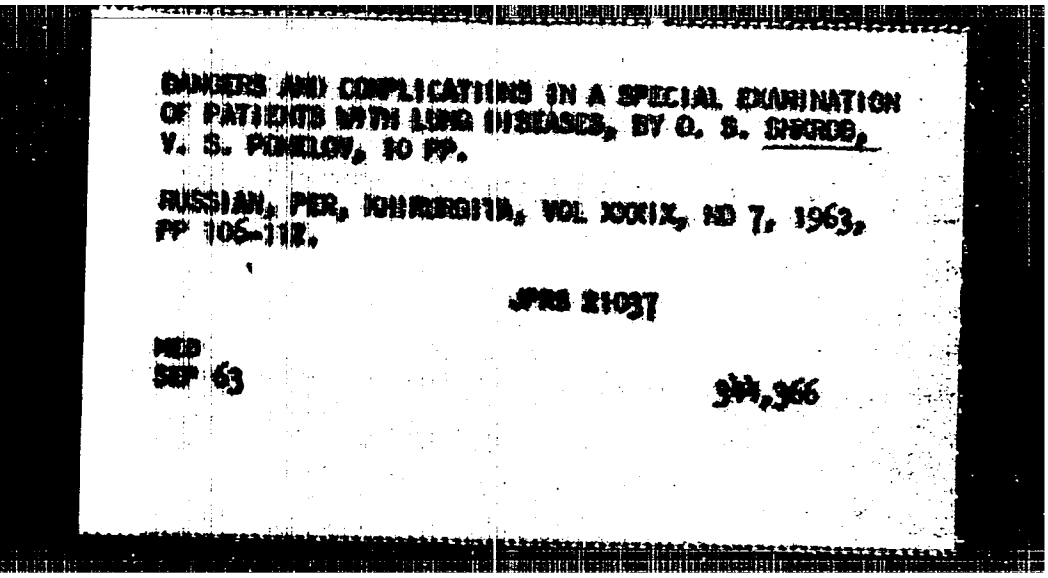

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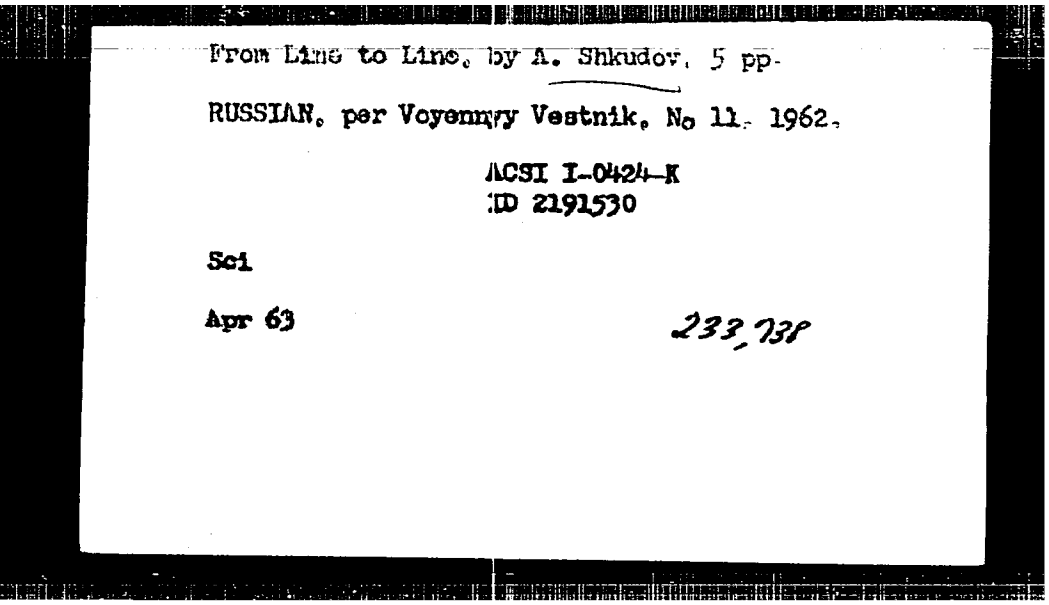

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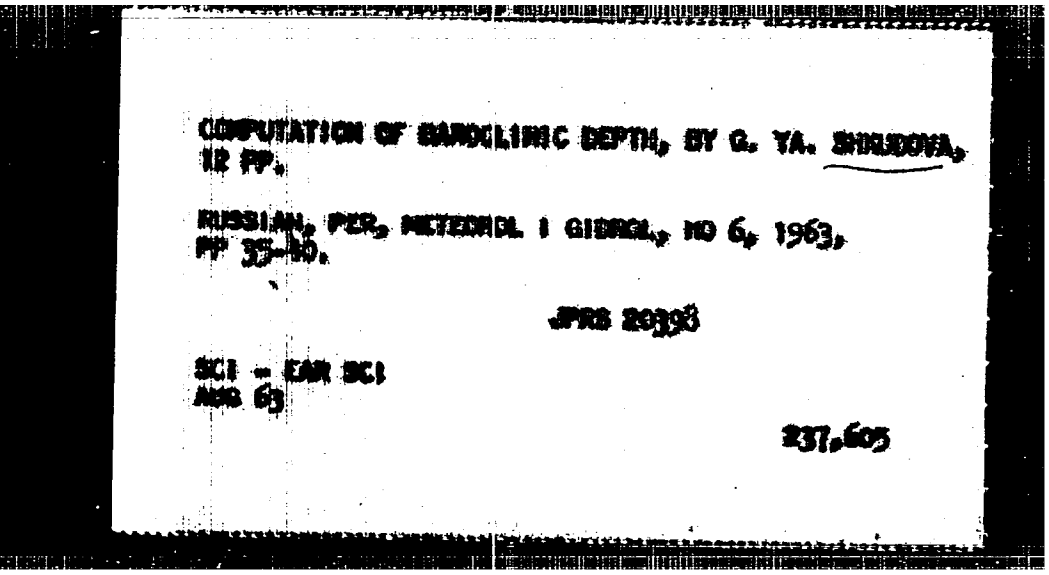

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DESCRIPTORS: *Oscillation, *Soils, *Cutting tools, Resistance, Vibration, Velocity.

The apparatus comprised essentially a 3-wheeled carriage with an electric motor and vibrator, capable of imparting vertical or horizontal oscillation at the rate of 600-3300 c/min. The moment of the eccentrics (Machinery, Fabrications and Accessory Equipment, TT, v. 10, no. 1) (over)

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